



**K A N S A S**

RODERICK L. BREMBY, SECRETARY

DEPARTMENT OF HEALTH AND ENVIRONMENT

KATHLEEN SEBELIUS, GOVERNOR

**GENERAL  
CLASS II  
AIR EMISSION SOURCE  
AIR OPERATING PERMIT**

Effective Date: August 2, 1996

Expiration Date: Effective until modified.

Source Type: **Crushed and Broken Stone**

SIC Code: 1422, 1423, 1429

**This permit is issued pursuant to K.S.A. 65-3008 as amended.**

This general air operating permit is applicable to a category of similar stationary sources classified as crushed and broken stone facilities. The adoption process for this general permit complies with all procedures and requirements applicable to the issuance of Class II air operating permits as specified at K.A.R. 28-19-540 et seq. and to the issuance of general permits as specified at K.A.R. 28-19-400 et seq.. Any person may apply to the department requesting authorization to operate a crushed and broken stone facility (site) pursuant to the terms of this general permit. The application shall be on forms provided or approved by the department. The application submission shall include, but not be limited to the completed application form and submission of the appropriate application fee.

The owner or operator of the facility (site) shall provide such additional information as is requested by the department. The timely and complete submission of an application to operate under the terms of this general permit shall be considered equivalent to the timely and complete filing of an application for the issuance of a Class II air operating permit. The owner or operator of the facility

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(site) which has been granted approval to operate pursuant to this general permit shall not be shielded from enforcement action if it is subsequently determined that the facility (site) did not qualify for this general permit.

#### Description of a covered source

This permit shall be applicable to the category of air contaminant emission sources generally known as crushed and broken stone facilities. Crushed and broken stone facilities consist of a site upon which crushers, screens and conveyors in varied arrangements are used to produce crushed rock. The equipment can be either portable or stationary. Portable sources move equipment from site to site as needed. The site is the facility for the purposes of this operating permit. Any one site may be permitted for operation by more than one operator. The equipment can be interchanged between sites or storage areas as needed.

The pollutant of concern from a crushed and broken stone facility is particulate matter less than 10 microns in diameter (PM<sub>10</sub>). Emission points include crushers, screens, transfer points between equipment and conveyors, transfer points between individual conveyors, and transfer points between conveyors and transporting equipment or product storage piles.

Emission points at different crushed and broken stone facilities have similar quantities of emissions under similar circumstances. Emission control devices and techniques are similar and produce similar results. The most common emission control devices are dust suppressant water sprays.

The purpose of this permit is to limit potential-to-emit<sup>1</sup> of covered sources to below major source thresholds. The major source threshold for PM<sub>10</sub> is 100 tons per year (TPY). Emissions of PM<sub>10</sub> were evaluated for this type of facility to determine the potential-to-emit. Operating in accordance with the permit limitations established in this permit will restrict the potential-to-emit PM<sub>10</sub> of the facility (site) to below the major source threshold.

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1 Potential-to-emit means the maximum capacity of a stationary source to emit a pollutant under its physical and operational design. Any physical or operational limitation on the capacity of the source to emit a pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored, or processed, shall be treated as part of its design if the limitation or the effect it would have on emissions is federally enforceable.

### Air Emission Estimates From the Facility (site)

Some crushed and broken stone facilities, depending upon sizes and combinations of equipment, have the potential-to-emit PM<sub>10</sub> in excess of 100 TPY based upon 8,760 hours per year operation. A year is defined as any consecutive 12 month period. Air emissions have been estimated for quantities of rock processed through combinations of equipment in order to determine quantities for which emissions of PM<sub>10</sub> will not exceed 100 TPY. Those quantities of rock processed and combinations of equipment are established as permit limitations in this permit.

Crushed and broken stone facilities operating in accordance with this Class II General Air Operating Permit will not exceed major source thresholds of PM<sub>10</sub> and will not be required to obtain a Class I Air Operating Permit.

The owner or operator will be required to select a method of operation using either dry or controlled emission factors at the time of submission of the application and will be required to comply at all times with the operating limitations and the reporting requirements related to the method selected.

### Permit Limitations for crushed and broken stone facilities using **dry** emission factors

Crushed and broken stone facilities operating in accordance with this permit shall:

- operate a maximum of 7 crushers, 10 screens, 60 conveyor transfer points and 2 truck dump points at any one time.
- process a maximum of 800,000 tons of rock during any consecutive 12 month period.
- notify KDHE and the KDHE district office or local agency in which the permitted site is located, of movement of a portable operation to the site at least 10 days prior to beginning operations at the site<sup>2</sup>.
- clearly mark and maintain marks on all process equipment for identification.
- mark equipment subject to New Source Performance Standards such that the equipment can be visually identified from a safe distance during equipment operation.
- maintain on-site a current list of operating equipment<sup>2</sup>.

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Permit limitations have been revised to be consistent with recordkeeping requirement #1 and reporting requirement #1.

### Permit Limitations for crushed and broken stone facilities using **controlled** emission factors

Crushed and broken stone facilities operating in accordance with this permit shall:

- operate a maximum of 7 crushers, 10 screens, and 2 truck dump points at any one time.
- process a maximum of 13,000,000 tons of rock during any consecutive 12 month period.
- apply water spray at emission points during operation to reduce emissions. The use of water spray is not required if the rock is visibly wet or if the rock moisture content is adequate to provide for compliance with opacity limitations.
- develop, implement and maintain on-site a written maintenance plan to ensure proper operation of the water spray system.
- notify KDHE and the KDHE district office or local agency in which the permitted site is located, of movement of a portable operation to the site at least 10 days prior to beginning operations at the site<sup>2</sup>.
- clearly mark and maintain marks on all process equipment for identification.
- mark equipment subject to New Source Performance Standards such that the equipment can be visually identified from a safe distance during equipment operation.
- maintain on-site a current list of operating equipment<sup>2</sup>.

Conditions of all previous air permits not in conflict with this permit and all relevant applicable regulations remain in effect.

### Recordkeeping

1. The owner or operator shall maintain, on-site, a current list of operating equipment.
2. The owner or operator shall maintain records of the quantity of rock processed through the facility (site) and the maximum number of crushers, the maximum number of screens, the maximum number of conveyor transfer points (if limited) and the maximum number of truck dump points in operation at any one time during each calendar month.

3. The owner or operator shall maintain records of the occurrence and duration of any malfunction or repair of the water spray system (facilities using controlled factors only) as required by K.A.R. 28-19-501(d)(3).

Records required by paragraphs 2 and 3 shall be updated monthly, no later than the last day of the month following the month to which the records relate if the facility (site) has been used during that month. All records must be located at the facility (site), whenever operating at that facility (site), for a minimum period of 2 years after the date of the record.

### Reporting

1. The owner or operator shall report, to KDHE and to the KDHE district office in which the permitted site is located, the movement of a portable operation to a site within the state at least 10 days prior to beginning operations at that site. Notice must include the old and new location, date operations are to begin, and the expected operating period at the new location.
2. In accordance with K.A.R. 28-19-546(a), the owner or operator shall submit all operating or relevant information to estimate actual emissions from the source for the preceding calendar year to KDHE. This information shall be submitted on forms provided or approved by KDHE. If forms and instructions have not been received 30 days prior to the date specified under K.A.R. 28-19-546(a), the owner or operator shall contact KDHE.
3. A construction permit or approval must be issued by KDHE prior to commencing any construction or modification of equipment or processes which meets any of the conditions in K.A.R. 28-19-300 requiring a construction permit or approval, or results in potential emission increases equal to or greater than the thresholds specified in K.A.R. 28-19-300.
4. If, at the end of any calendar quarter, the facility (site) actual operations exceed 680,000 tons of rock processed for those facilities which have selected dry operations, or 11,000,000 tons of rock processed for those facilities which have selected controlled operations, for the past four calendar quarters, the owner or operator shall report the actual tons of rock processed to the department for that period of time. This report shall be submitted to KDHE within 45 days of the last day of the month following the conclusion of the calendar quarter.
5. If, at any time, the facility (site) actual operations fail to comply with the permit limitations, the owner or operator shall:

- a. notify KDHE in writing of any operational exceedance. This notification shall be mailed or delivered the first working day following discovery of the exceedance.
- b. submit to KDHE a compliance plan stating those actions being taken by the owner or operator to assure future compliance with the operational limitations. This plan shall be submitted within 60 days of discovering the exceedance. This plan will clearly state if an application for a Class II operating permit or if an application for a Class I operating permit will be submitted. Any such application will be filed within 180 days of discovering the exceedance.

Submitting any or all of these reports does not shield the owner or operator from enforcement action for exceeding the permit limitations or for other violations of the Kansas Air Quality Act or Regulations.

#### General Provisions

1. Upon presentation of credentials and other documents as may be required by law, representatives of KDHE (including authorized contractors of the KDHE) shall be allowed by the permittee to:
  - a. enter upon the premises where a regulated facility or activity is located or conducted or where records must be kept under conditions of this document;
  - b. have access to and copies of, at reasonable times, any records that must be kept under conditions of this document;
  - c. inspect at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this document; and
  - d. sample or monitor, at reasonable times, for the purposes of assuring compliance with this document or as otherwise authorized by the Secretary of the KDHE, any substances or parameters at any location.
2. The emission unit or stationary source which is the subject of this document shall be operated in compliance with all applicable requirements of the Kansas Air Quality Act and

the Federal Clean Air Act, and all applicable regulations promulgated under the Kansas Air Quality Act and the Federal Clean Air Act.

3. This document is subject to periodic review and amending as deemed necessary to fulfill the intent and purpose of the Kansas Air Quality Statutes and the Kansas Air Quality Regulations.
4. This document does not relieve the permittee of the obligation to obtain other approvals, permits, licenses, or documents of sanction which may be required by other federal, state, or local government agencies.